Round the Clock Mission Solution

ANVIS/HUD®24 offers a 'round the clock mission solution with advanced day and night display capabilities. Both the day and night displays operate as a single integrated system. The night display is mounted on the NVG and the day display is mounted on the same NVG helmet mount, offering a seamless solution for day and night operations.

Enhanced safety and situational awareness

ANVIS/HUD®24 improves flight safety and situational awareness by reducing The pilot's head and eye motion for cockpit scanning. Complicated maneuvers in bad weather and low visibility conditions, low altitudes (NoE) or during night can be performed safely with enhanced survivability.

Customizable display symbols

With independent displays for each pilot displaying critical flight information and multiple symbols related to the specific mission, the ANVIS/HUD®24 offers a customizable solution that is compatible to the cockpit's instrumentation and displays.

ANVIS/HUD®24

New-Generation Day/Night HUD System

Technical Specifications

Day HUD

Symbology	See through symbology FOV 18 x 18 clear/dark visor
Contrast	1.4:1 Min. (at 10,000 FC)
See-through transmission	>40%
Exit pupil	>10 mm
Eye relief	>50 mm
Weight	<250 gr.
Mount	Easily attached to any standard ANVIS NVG-Mount
Safety	Quick disconnect for emergency egress

Night HUD

Compatibility	Add-on to any standard NVG
Symbology	FOV 32°
Contrast	2:1 Min. (at 0.03 FC)
Distortion	<1.5%
Weight	<70 gr.
Safety	Quick disconnect for emergency egress

MCCU (Mini Converter Control Unit):

Weight	< 260 gr.
Illumination	Day & NVG compatible (Type 1 NVIS Green A class A)

Tracker

Concept	Add-on LRUs/SRUs to the legacy ANVIS/HUD® system
Tracker technology	Electro Magnetic
Cockpit Mapping	Required only for a single representative cockpit in each fleet

ASDC (Advanced Sight and Display Computer):

Operation modes	8 display operation modes
Power	<110 Watts, 28 VDC
Weight	<5.85 Kg
Compatibility	>25 platforms, MIL-E-5400, MIL-A-49425 MIL-STD-461E
DIU Weight	<450 gr.

Elbit Systems focuses on upgrades and modernization programs to enhance air, ground and naval platforms with next-generation capabilities. Hundreds of upgrades, performed on operational Western/Eastern fixed and rotary-wing aircrafts, are evidence of Elbit Systems' position as one of the leading companies in the field. Orchestrating on numerous upgrades from all over the globe, Elbit Systems' multi-disciplinary capabilities have madeit a sought-after partner in large-scale turnkey programs. Allying with Elbit Systems links customers to the most advanced avionics technologies, systems and expertise, delivering enhanced performance and operational capabilities.

Elbit Systems Aerospace

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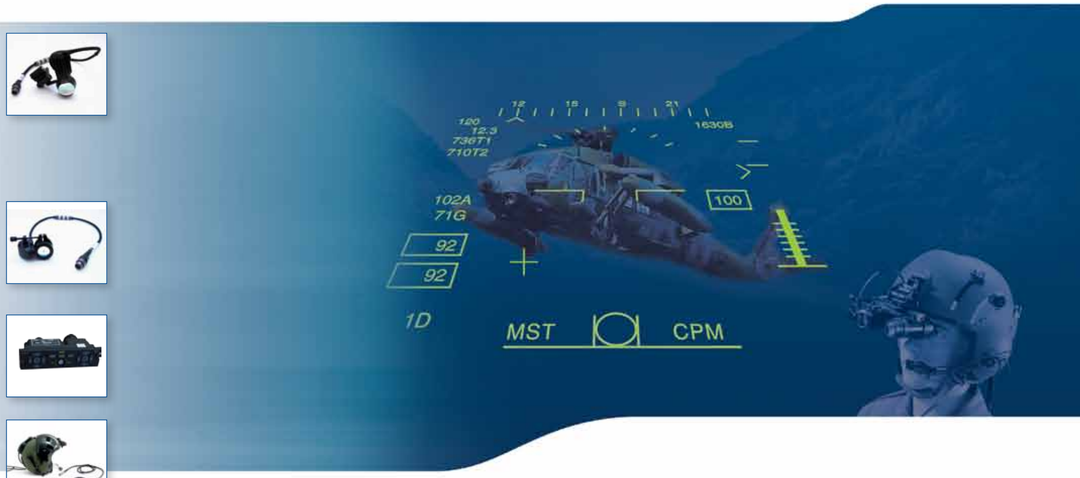
ANVIS/HUD®24
New-Generation Day/Night HUD System



Elbit Systems Aerospace

ANVIS/HUD®24

The new-generation ANVIS/HUD®24* features enhanced situational awareness including Line-Of-Sight technology for improved mission effectiveness

Elbit Systems introduces its next-generation ANVIS/HUD®24 system designed to provide enhanced day/night situational awareness and increased survivability. The new ANVIS/HUD®24 combines the legacy ANVIS/HUD® helmet mounted display with innovative Line-Of-Sight (LOS) technology and Day HUD capabilities, enhancing crew coordination while facilitating the operation of the helicopters' systems.

A proven solution for utility and attack helicopters

ANVIS/HUD®24 is suitable for both utility and attack helicopters. Operating on over 6500 helicopters, 2.5 million operational hours accumulated in 25 different platforms, the ANVIS/HUD®24 can be installed on any helicopter - eastern and western.

- Round the clock mission solution
- Improves flight safety
- Enhances situational awareness
- Increases survivability
- Improves crew coordination
- Suitable for utility, reconassaince and attack helicopters

*Aviator's Night Vision Imaging System/Head Up Display

ANVIS/HUD®24T (Tracker)*

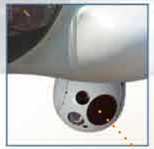
Enhanced crew coordination and targeting

The ANVIS/HUD®24T system offers a head-tracking capability that enhances crew coordination and improves the pilot's targeting and cueing capabilities. Based on unique electro-magnetic head tracking algorithms, the ANVIS/HUD®24T slaves the helicopter's systems to the pilots' Line-Of-Sight (LOS) while displaying Electro-Optic Payload (EOP), weapon systems, and the co-pilot's LOS symbols. The Tracker can be seamlessly installed on operational systems.

The ANVIS/HUD®24T offers 3D conformal Symbology, that superimposes mission symbols onto the outer world scenery. (optional)

- Improves crew coordination
  by displaying the other pilot's Line-Of-Sight.
- Reduces intercom traffic
  by allowing head-movement communications between the pilots in the cockpit.
- Facilitates targeting
  by continuously viewing the estimated impact point of the selected weapon.
  Weapon sight & targeting are performed via the ANVIS/HUD®24 tracking display.
- Improves mission efficiency
  by slaving the helicopter's systems to the pilot's LOS.
- Enhances helicopter self-protection
  by slaving the armament to the pilot's LOS, rapid weapons firing is enabled.
- Improves situational awareness
  by presenting mission symbology superimposed on the outer world view. Waypoints, landing point, targets, rescue points etc. are superimposed on the outer world view.

*In the USA the system is designated: Helmet Display & Tracker System (HDTS)
In the UK the system is designated: Display Night Vision Goggles (DNVG)

Slaves the helicopter's systems to the pilots' Line-Of-Sight:

- EOP (Electro-Optic Payload)
- Weapon systems
- Navigation systems
- Digital Moving Map